

Claims:

A listing of the claims has been included for reference. No claims have been amended.

Listing of Claims:

39. (Previously Presented) A method comprising:

receiving in a driver program executed by a computer a first request generated by an application program executed by the computer for a frame rate and a second request generated by the application program for a resolution, the first request and the second request associated with communication between a camera and the computer; and

using the driver program to:

evaluate a bandwidth available for the communication between the camera and the computer; and

comply with the first request and based on the evaluation of the available bandwidth, selectively not comply with the second request.

40. (Previously Presented) The method of claim 39, further comprising:

using the driver program to intermittingly check the available bandwidth and determine whether to comply with the second request to accommodate changes in the bandwidth.

41. (Previously Presented) The method of claim 39, further comprising:

submitting communication requests to a bus interface of the computer, each request being associated with a different bandwidth; and

based on a response of the bus interface to the communication requests, determining the available bandwidth.

42. (Previously Presented) The method of claim 41, wherein the submitting comprises:

progressively using the bus requests to request more bandwidth; and
submitting the communication requests until the bus interface denies one of the communication requests.

43. (Previously Presented) The method of claim 39, wherein non-compliance with the second request comprises adjusting the resolution different from the resolution associated with the second request.

44. (Previously Presented) The method of claim 43, wherein the adjusting comprises:

determining a scaling capability of the camera.

45. (Previously Presented) An article comprising a computer accessible storage medium storing instructions to, when executed, cause a processor-based system to:

receive a first request generated by an application program executed by the processor-based system for a frame rate and a second request generated by the

application program for a resolution, the first request and the second request associated with communication between a camera and a computer;

evaluate a bandwidth available for the communication between the camera and the computer; and

comply with the first request and based on the evaluation of the available bandwidth, selectively not comply with the second request.

46. (Previously Presented) The article of claim 45, the storage medium storing instruction to cause the processor-based system to:

submit communication requests to a bus interface of the computer, each request begin associated with a different bandwidth; and

determine the bandwidth based on a response to the communication requests.

47. (Previously Presented) The article of claim 45, the storage medium storing instructions to cause the processor-based system to:

submit communication requests to a bus interface of the computer, each request being associated with a different bandwidth; and

determine the bandwidth based on a response to the communication requests.

48. (Previously Presented) The article of claim 47, the program storage device storing instructions to cause the processor-based system to determine the bandwidth by submitting communication requests for progressively larger bandwidths until the bus interface denies one of the communication requests.

49. (Previously Presented) The article of claim 45, the program storage device storing instructions to cause the processor-based system to not comply with the second request by adjusting the resolution different from the resolution associated with the second request.

50. (Previously Presented) The article of claim 49, the program storage device storing instructions to cause the processor-based system to adjust the resolution based at least in part on a determination of a scaling capability of the camera.

51. (Previously Presented) A computer system comprising:
storage storing program instructions associated with a driver program and an application program; and
a processor to execute the driver program to:
receive in the driver program a first request generated by the application program for a frame rate and a second request generated by the application program for a resolution, the first request and the second request associated with communication between a camera and the computer system,
evaluate a bandwidth available for communication between the camera and the computer, and
comply with the first request and based on the evaluation of the available bandwidth, selectively not comply with the second request.

52. (Previously Presented) The computer system of claim 51, wherein the processor intermittently checks the available bandwidth and determines whether to comply with the second request to accommodate changes in the bandwidth.

53. (Previously Presented) The computer system of claim 51, wherein the processor submits communication requests to a bus interface of the computer, each request being associated with a different bandwidth; and determines the bandwidth based on a response to the communication requests.

54. (Previously Presented) The computer system of claim 53, wherein the processor submits the communication requests until the bus interface denies one of the communication requests.

55. (Previously Presented) The computer system of claim 51, wherein the processor does not comply with the second request by adjusting the resolution different from the resolution associated with the second request.

56. (Previously Presented) The computer system of claim 51, wherein the processor adjusts the resolution based at least in part on a determination of a scaling capability of the camera.